



### Balcrank Nipples

Balcrank patented one-piece nipples are made from solid steel without cross-pins or threads where chucks are attached.

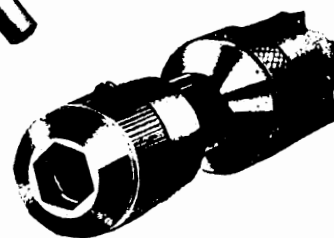
Note tapered end and broad surface for chuck jaws to grip—high pressure cannot force off the chuck. Only a release of chuck jaws will remove chuck from nipple. Balcrank nipples are strengthened against breakage by their rounded bearing ends.



### Balcrank Hand Gun

Balcrank hand guns are sturdily and carefully constructed for heavy duty. They are filled by suction or from a large gun or pump. Compressor leathers in opposite directions insure powerful suction action for refilling and high compression.

Practically any lubricant from No. 3 cup grease or fibre grease to kerosene can be used successfully in these guns.



### Balcrank Chucks

Speed! Safety! With a  $\frac{1}{8}$ th turn of the gun, the operator locks or releases the Balcrank Automatic Explosion Chuck upon the hexagon part of a Balcrank nipple. He need not reach his hand into moving parts. Turning the gun handle builds up pressure before attaching to nipple. Upon release, an automatic valve stops the flow of grease. No waste or mess from leaking chucks and nipples.

There are other Balcrank Chucks for use with revolving nipples, with or without flexible hose, etc.

# WHAT PRICE BREAKDOWNS!

A burnt bearing—an idle machine!

Lost production. Maintenance department on the carpet. Manufacturer of the machine, designer, lubricating equipment—everything and everybody comes in for a share of the “panning.”

What matter whose fault—the damage is done, but see that it doesn't happen again.

How?

Well, sometimes, a burred nipple, a broken gun,

or a stubborn chuck kept the bearing from getting its necessary supply of lubricant.

Thousands of dollars have been wasted on cheap lubricating equipment. False economy? What else?

Balcrank lubricating equipment has years of service built into it. A complete line, designed and built, without thought of cost.

Really an insignificantly small investment—but what a whale of a saving!

## Complete Balcrank Lubrication Service

Ask to have a Balcrank Industrial Lubrication Man call, without obligation, and demonstrate the cost-lowering, efficiency-increasing advantages of the complete line of Balcrank Lubrication Units. The Cincinnati Ball Crank Company, Cincinnati, Ohio.

# BALCRANK

Trade Mark Registered

## INDUSTRIAL LUBRICATION UNITS

Automatic Lubricators—Nipples—Chucks—Grease Pumps. Also Hand, Foot and Power Operated Grease Guns manufactured under license from Bassick Mfg. Co. and Balcrank patents.

The Cincinnati Ball Crank Co.  
Cincinnati, Ohio

Kindly send full particulars and arrange for a demonstration, without obligation, of Balcrank Industrial Lubrication Units.

Firm \_\_\_\_\_

Address \_\_\_\_\_

Signed by \_\_\_\_\_

F & I. M. July-1928

When writing advertisers mention *Factory and Industrial Management* for prompt service.

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# “Cutting Out” one machine *for repair* MAY UPSET *the Entire Production Schedule*

Where machine operation is correlated, efficient lubrication becomes even more vital

Faulty lubrication is costly beyond computation when plant output is slowed down. Sometimes the failure of a single machine upsets an entire production schedule, as you know. Relatively “small things” about lubrication frequently assume large proportions. Careful study of every detail is therefore important.

A burred nipple, a broken or inefficient grease gun, a stubborn chuck which prevents the adequate lubrication of a bearing—these have been known to lead up to expensive lay-ups.

Examples of the super-safety factors built into all Balcrank lubricating equipment, to avoid costly interruptions in production, are described under those units illustrated on this page. The complete Balcrank line includes lubrication specialties designed to overcome many of the problems which hitherto have been a continual source of risk or uneasiness to you.

A Balcrank Industrial Lubrication man will gladly call and, without obligation, ascertain your requirements and demonstrate or explain the advantages of Balcrank units which would safeguard continuous production in your plant.

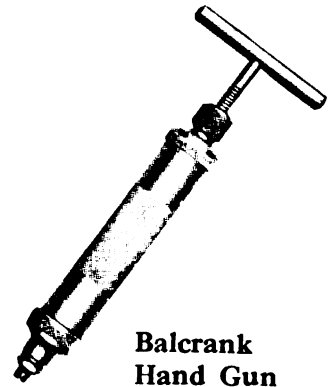
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THE CINCINNATI BALL CRANK CO.,  
CINCINNATI, OHIO.  
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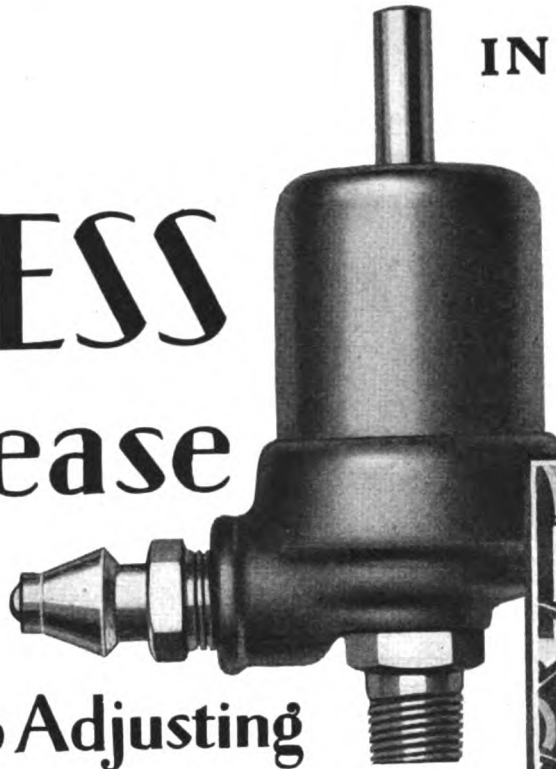
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Signed by.....  
F. & I. M.—9-28

# Uses LESS Grease

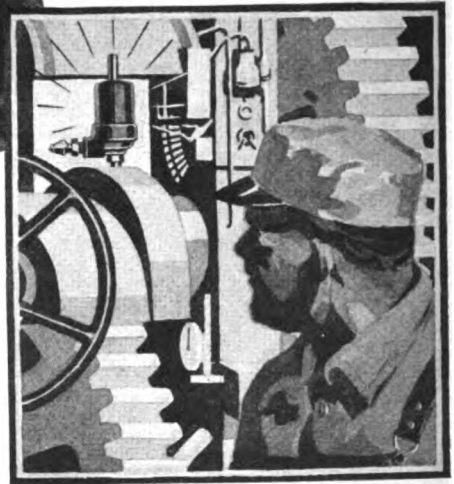
## AND Requires No Adjusting



### INDICATOR

*Manufactured under Balcrank patents and patents pending.*

Flow of Grease is automatically regulated by speed and need of bearing. Eliminates waste and "human element."



**W**HEN the indicator signals the eye by dropping low enough, the Balcrank Uniflow Lubricator is refilled with a grease gun. *There is no other human attention required!*

The Uniflow *always* maintains an even film of lubricant over the *entire* bearing surface. The Uniflow's evenly regulated flow of grease stops only when the bearing stops—*this makes adjustments unnecessary!*

There is no intermittent lubrication to cause scored, burned or heated bearings.

There is no wasteful use of grease because of the desire of an operator to "play safe" and adjust cups before adjustment is needed.

Fillings of the Uniflow are required at less frequent intervals. This—coupled with the elimination of frequent adjusting—saves a great deal of expensive labor.

You neatly can fill 20 Balcranks in the time it takes to messily fill one hand-cup—no grease is wasted, no wiping up with a rag.

Grease, remember, is an economical and desirable lubricant. *And the Uniflow makes it more so!*

Grease-saving, labor-saving and repair-saving Uniflows will greatly cut your maintenance costs and reduce losses from idle machines. Sizes for all bearings. Install Uniflows on unit plan—let them prove their value, machine by machine. Nipples for any standard grease guns.

Many thousands of "Uniflows" are in use—more are being installed daily. Get the facts—the only expense with "Uniflows" is *not* to use them. The Cincinnati Ball Crank Company, Cincinnati, Ohio.

# BALCRANK

## UNIFLOW LUBRICATORS

THE CINCINNATI BALL CRANK CO.,  
CINCINNATI, OHIO.

Without obligation you may send complete data concerning Balcrank "Uniflow" Automatic Lubricators.

Firm .....  
Address .....  
City ..... State .....  
Name and Title .....

F&I 10-28

*Trade Mark Registered*

Balcrank High Pressure Grease Guns, Lubricating Nipples and Chucks (hand-locking and self-locking) offer many improvements which contribute to greater lubricating efficiency. A complete line!





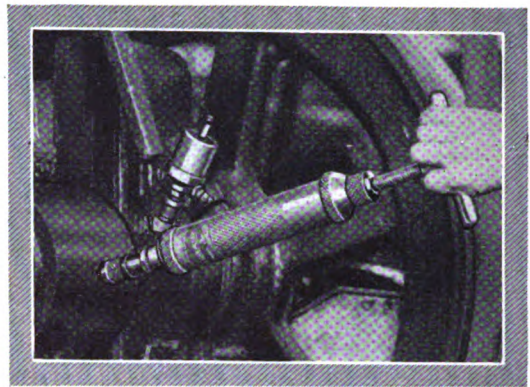
BALCRANK  
Foot Operated Grease Gun \*



BALCRANK  
Long Life Nipples



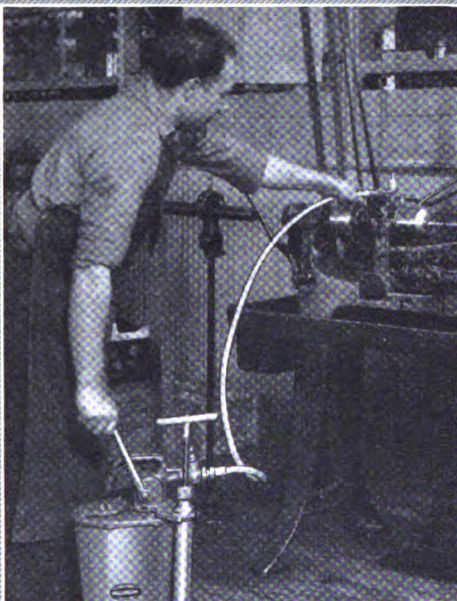
BALCRANK  
Long Life Chucks



BALCRANK  
Hand Operated Grease Gun \*



BALCRANK  
Air Operated Grease Gun \*



BALCRANK  
Multi-Purpose Grease  
Pump

Is there some particular lubrication problem for which you have not yet found a satisfactory solution? Possibly among the specialties in the complete Balcrank line there is the remedy. Without cost or obligation, you are invited to submit your problem to our Industrial Lubrication Specialists.



BALCRANK  
Automotive Lubricators

**C** OUPON or letter brings full particulars—and a Balcrank Industrial Lubrication Man, if you wish—to explain and demonstrate the application of Balcrank Lubrication Units to your problems.

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## INDUSTRIAL LUBRICATION UNITS

\* Licensed under patents of the Bassick Mfg. Co., also Balcrank patents pending

When writing advertisers mention *Factory and Industrial Management* for prompt service.

THE CINCINNATI BALL CRANK CO.,  
Cincinnati, Ohio.

- ( ) Without obligation, mail full particulars of your various lubrication specialties.
- ( ) You may have your representative call and see us.

Firm .....

Address .....

Signed by ..... F-I-M-12-28